1. 344.79 cm^3

Volume of golf Ball 4.35 cm dia

43.4 cm^3

43.09 cm^3 *

45.21 cm^3

43.10 cm^3

$V_{sph} = \frac{4}{3}\pi r^3$

$d = 4.35\ cm$

$r = 2.175\ cm$

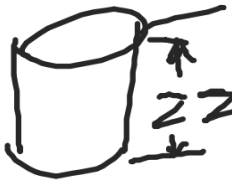
4 ÷ 3 * π * 2.175 ^ 3 = 43.10 cm^3

2. $V = 3.38\ cm^3$

$V = l \times w \times h$

$= (1.5cm)^3$

$= 3.38\ cm^3$

3. 

$V = 1248.39\ cm^3$

$d = 8.5\ cm$

$r = 4.25\ cm$

$V = \pi r^2 h$

$= 1248.39 cm^3$

Density - physical property

$$\rho = d = \frac{\text{mass}}{\text{Volume}}$$

Physical property is A Description of that substance

1.

$D = 4.35$

$r = 2.175$

$V = \frac{4}{3} \cdot \pi \cdot 2.175^3$

$43.1 cm^3$

2.

$V = 1.5 \times 1.5 \times 1.5$

$V = 3.38 cm^3$

3.

$V = \pi \cdot r^2 \cdot h$

$V = \pi \cdot 4.25^2 \cdot 22\text{cm}$

$V = 1248.39\text{cm}^3$